

521,795

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number  
**WO 2004/011717 A1**

(51) International Patent Classification<sup>7</sup>: D21C 5/02, D21H 17/13, 17/59

D21C 5/02,

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(21) International Application Number:

PCT/EP2003/008166

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 22 July 2003 (22.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:  
0217197.3 24 July 2002 (24.07.2002) GB

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/011717 A1

(54) Title: METHOD OF DEINKING

(57) **Abstract:** A method of deinking printed paper comprises pulping the paper to form an aqueous slurry, adding a deinking additive to the paper, and removing detached ink by flotation, wherein the additive comprises an organo-modified siloxane comprising units of the formula:  $[R^1_aZ_bSiO_{(4-a-b)}_2]_n$  in which each  $R^1$  is independently selected from a hydrogen atom, an alkyl, aryl, alkenyl, aralkyl, alkaryl, alkoxy, alkanoyloxy, hydroxyl, ester or ether group; each  $Z$  is independently selected from an alkyl group substituted with an amine, amide, carboxyl, ester, or epoxy group, or a group  $-R^2-(OC_pH_{2p})_q(OC_rH_{2r})_s-R^3$ ;  $n$  is an integer greater than 1;  $a$  and  $b$  are independently 0, 1, 2 or 3;  $R^2$  is an alkylene group or a direct bond;  $R^3$  is a group as defined for  $R^1$  or  $Z$  above;  $p$  and  $r$  are independently an integer from 1 to 6;  $q$  and  $s$  are independently 0 or an integer such that  $1 \leq q + s \leq 400$ ; and wherein each molecule of the organo-modified siloxane contains at least one group  $Z$ .